

National Research Programme SOPHIS, 3rd project

Biophotonics: imaging, diagnostics and monitoring

Seminar on results of the 3rd period

1 December 2016 at the Institute of Atomic Physics and Spectroscopy

Šķūņu Str.4, Auditorium (4th floor)

Programme

9:00 Introduction: The main tasks and results of the project 3rd period
(J.Spīgulis)

9:10 Fast mapping of skin chromophores under laser illumination:
improvements of devices, laboratory/clinical measurements and data
processing (J.Spīgulis, I.Ošiņa)

9:30 Non-contact monitoring of skin blood flow pulsations at NIR
illumination: improvements of devices, laboratory/clinical
measurements and data processing (U.Rubīns, E.Kviesis-Kipge)

9:50 Skin moisture and its distribution imaging in the NIR spectral
range: model calculationa and laboratory/clinical measurements
(G.Tunēns)

10:10 Clinical approbation of the skin multimodal imaging device
„SkImager” (I.Kuzmina)

10:30 Discussion

<http://sophis.edi.lv/research/project-no-3-biophotonics-imaging-diagnostics-and-monitoring/>

<http://www.edi.lv/lv/projekti/vpp-projekti/vpp-sophis-projekts-nr3-/>